FICHA TÉCNICA

Transitions™
light intelligent lenses

Los Transitions Light Intelligent Lenses son claros en interiores y por la noche, y oscurecer al aire libre en luz. YOUNGER OPTICS ofrece: Transitions, Signature, Transitions XTRActive y Lentes Transitions Vantage.

- Proporcionar un equilibrio óptimo entre oscuridad exterior, claridad interior y velocidad de desvanecimiento.
- Oscurece rápida y cómodamente al aire libre y rápidamente se desvanece claro en el interior.
- Deje que entre la cantidad adecuada de luz. Llega a tus ojos con la mayoría de las luces.
- Adaptarse perfectamente para reducir la visión fatiga.
- Reducir el deslumbramiento causado por el cambio de luz mientras bloquea el 100% de los rayos UVA y luz ultravioleta.
- Proporciona comodidad, conveniencia y protección interior y exterior.
- Recomendados #1 en todo el mundo por los Profesionales de atención oftalmológica.

PROLENS LABORATORIO ÓPTICO
YOUNGER OPTICS The Optical Lens Innovators

Transitions™ Drivewear®

TRANSITIONS® DRIVEWEAR®
POLARIZED LENSES

Los lentes de sol Transitions Drivewear reaccionan a las diferentes condiciones de luz tanto en el exterior como detrás del parabrisas del coche. Desde luz solar intensa y deslumbrante hasta condiciones inclementes y nubladas.
Las lentes de sol Drivewear proporcionan al usuario la solución visual adecuada para la conducción diurna.
Los lentes Transitions Drivewear están polarizados en todo momento para bloquear el deslumbramiento cegador y utilizan Transitions con tecnología fotocromática que responde tanto a la luz visible como a la ultravioleta para mejorar la visión.

NUBLADO / LUZ BAJA	DETRÁS DEL PARABRISAS / CONDICIONES SOLEADAS	LUZ SOLAR BRILLANTE AL AIRE LIBRE
- COLOR: VERDE OLIVA Diseñado para maximizar la luz útil. información que llega al ojo. **- POLARIZADO:** Para eliminar el resplandor que de lo contrario destruirá la visión en condiciones de poca luz.	**- COLOR: COBRE** Diseñado para eliminar el exceso de iluminación y proporcionar una buena señal de visión, destacando los rojos y verdes. **- POLARIZADO:** Para eliminar el deslumbramiento para una visión de conducción segura.	**- COLOR: MARRÓN OSCURO** Diseñado para la máxima filtración de exceso de luz para que el ojo no se sature. **- POLARIZADO** Para proporcionar el máximo confort en el sol brillante al aire libre.

BLOQUEA EL 100% DE LOS UVA/UVB EN TODAS LAS CONDICIONES DE ILUMINACIÓN

TRANSITIONS® DRIVEWEAR®

HARD RESIN 1.50 — SINGLE VISION *TRANSITIONS® DRIVEWEAR®* (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
74	1.25	1.28	4.25	12.7	9.3	0.75	414.063	-9.00D to +7.50D
74	2.25	2.30	4.25	13.0	10.5	1.36	226.496	
74	3.25	3.31	4.25	12.8	11.9	1.96	161.094	
74	4.25	4.30	4.25	13.0	13.0	2.56	123.832	
74	5.25	5.30	6.25	9.2	7.5	3.17	99.624	
74	6.25	6.35	6.25	9.5	9.0	3.83	83.861	
74	7.25	7.32	6.25	9.5	10.6	4.45	77.404	
74	8.25	8.35	6.25	10.0	13.0	5.14	63.549	

HARD RESIN 1.50 — FLAT TOP 28 *TRANSITIONS® DRIVEWEAR®* (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SEG INSET	SEG DROP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
74	2.25	2.31	4.25	13.2	10.6	6	5	1.37	229.437	1.00-3.00	-8.00D to +6.00D
74	4.25	4.26	4.25	12.9	13.2	6	5	2.54	124.413	1.00-3.00	
74	6.25	6.27	6.25	8.9	9.1	6	5	3.77	84.530	1.00-3.00	
74	8.25	8.31	6.25	9.3	13.1	6	5	5.10	63.779	1.00-3.00	

HARD RESIN 1.50 — IMAGE® PROGRESSIVE *TRANSITIONS® DRIVEWEAR®* (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	MRP DEC.	SEG INSET	FITTING CROSS ABOVE MRP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
76	2.00	2.04	4.25	13.3	11.3	2.5	2.5	2	1.21	259.804	1.00-3.00	-8.00D to +6.00D
76	4.50	4.61	6.25	13.3	11.8	2.5	2.5	2	2.75	114.967	1.00-3.00	
76	6.50	6.38	6.25	9.3	10.5	2.5	2.5	2	3.85	83.072	1.00-3.00	
76	8.50	8.36	6.25	10.0	14.3	2.5	2.5	2	5.14	63.397	1.00-3.00	

POLYCARBONATE 1.586 — SINGLE VISION *TRANSITIONS® DRIVEWEAR®* (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
75	2.25	2.28	4.25	12.5	9.6	1.35	232.456	-8.00D to +6.00D
75	4.25	4.28	6.25	12.4	9.7	2.55	123.832	
75	6.25	6.31	6.25	9.6	9.7	3.80	83.994	
75	8.25	8.24	9.50	13.0	10.1	5.06	64.320	

POLYCARBONATE 1.586 — IMAGE® PROGRESSIVE *TRANSITIONS® DRIVEWEAR®* (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	MRP DEC.	SEG INSET	FITTING CROSS ABOVE MRP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
75	2.00	2.05	4.25	13.3	11.0	3.5	2.5	2	1.21	258.537	1.00-3.00	-9.00D to +7.00D
75	4.50	4.32	6.25	13.5	11.4	3.5	2.5	2	2.57	122.685	1.00-3.00	
75	6.50	6.28	6.25	10.0	11.0	3.5	2.5	2	3.79	84.395	1.00-3.00	
75	8.50	8.30	9.50	10.6	9.1	3.5	2.5	2	5.10	63.855	1.00-3.00	

TRILOGY® 1.50 — FINISHED PLANOS *TRANSITIONS® DRIVEWEAR®* (BACKSIDE ARHC)

DIAMETER	NOMINAL CURVE
74	6.25

TRILOGY® 1.53 — SINGLE VISION *TRANSITIONS® DRIVEWEAR®* (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
74	2.25	2.26	6.25	10.9	5.6	1.34	234.510	-7.00D to +7.50D
74	4.25	4.24	6.25	11.2	8.4	2.53	125.000	
74	6.25	6.25	6.25	8.5	8.6	3.77	84.800	
74	8.25	8.26	6.25	8.7	11.9	5.07	65.170	

PROLENS LABORATORIO ÓPTICO

YOUNGER OPTICS
The Optical Lens Innovators

Transitions™ Signature® GEN8™

PROLENS
LABORATORIO ÓPTICO

NEW TECHNOLOGY

NEW FRONTIER OF PERFORMANCE

Transitions™ Signature® GEN 8™

RESUMEN / DISPONIBILIDAD DE TRANSICIONES:

1.50 CR 39

Finished Single Vision w/HC+AR gris & café
SF monofocal gris & café
SF monofocal Amethyst & Sapphire
SF FT28 Bifocal gris & café
SF FT35 Bifocal gris & café
SF 7x28 Trifocal gris & café
SF 8x35 Trifocal gris
SF Image® PAL gris & café
SF Camber® gris & café

Policarbonato

Finished Single Vision w/HC+AR gris & café
SF Single Vision gris & café
SF Single Vision Amethyst & Sapphire
SF Image® PAL gris & café
SF Camber® gris & café

Multifocales policompuestos NEW

FT28 Poly Comp Bifocal gris
FT35 Poly Comp Bifocal gris
7x28 Trifocal gris

Trilogy®

SF Spherical Single Vision gris & café
SF Aspheric Single Vision gris & café
SF Image® PAL gris & café
SF Camber® gris & café

1.60 High Index

SF Single Vision gris & café
SF Camber® gris & café

1.67 High Index

SF Single Vision gris & café
SF Image® PAL gris
SF Camber® gris & café

1.74 High Index

SF Single Vision gris & café
SF Camber® gris & café

PROLENS LABORATORIO ÓPTICO

YOUNGER OPTICS
The Optical Lens Innovators

TRANSITIONS® SIGNATURE®

HARD RESIN 1.50 — SINGLE VISION SEMI-FINISHED GRAY, BROWN (HC)									
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
	72	0.50	0.44	4.00	13.5	9.0	0.26	1204.545	-9.00D to +6.00D
	72	2.25	2.09	4.00	11.4	9.0	1.24	253.589	
	72	4.25	4.29	4.00	8.1	8.5	2.56	123.543	
	72	5.25	5.25	6.00	8.5	8.5	3.14	101.952	
	72	6.25	6.20	6.00	8.2	8.5	3.74	85.484	
	72	8.25	8.26	6.00	8.0	9.4	5.07	64.165	

HARD RESIN 1.50 — SINGLE VISION DIGITAL GRAY, BROWN (HC)									
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
	77	0.50	0.44	4.00	15.8	10.6	0.26	1217.070	-10.00D to +8.50D
	77	2.00	2.00	2.03	16.8	16.7	1.18	265.430	
	77	3.50	3.48	2.03	16.7	18.8	2.06	152.450	
	77	4.25	4.25	4.22	14.8	14.8	2.53	124.700	
	77	5.25	5.19	4.22	10.3	11.9	3.11	102.030	
	77	6.25	6.19	6.33	13.7	13.6	3.73	85.680	
	77	7.25	7.22	6.33	12.0	13.6	4.39	73.450	
	73	8.75	8.76	6.33	8.4	12.0	5.41	60.480	
	69	10.50	10.35	6.33	9.5	14.8	6.51	51.230	

HARD RESIN 1.50 — SINGLE VISION AMETHYST, SAPPHIRE (HC)									
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
	76	2.00	2.00	2.03	16.8	16.7	1.18	265.000	-8.50D to +8.50D
	76	3.50	3.48	2.03	16.7	18.8	2.06	152.299	
	76	4.25	4.25	4.22	14.8	14.8	2.53	124.706	
	76	5.25	5.19	4.22	10.3	11.9	3.11	102.119	
	76	6.25	6.19	6.33	13.7	13.6	3.73	85.622	
	76	7.25	7.22	6.33	12.0	13.6	4.39	73.407	
	72	8.75	8.76	6.33	8.4	12.0	5.41	60.502	
	72	10.50	10.35	6.33	9.5	14.8	6.51	51.208	

HARD RESIN 1.50 — FLAT TOP 28 GRAY, BROWN (HC)												
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SEG INSET	SEG DROP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
	76	0.50	0.44	4.00	16.0	10.6	6	6	0.26	1204.55	1.00-3.00	-11.00D to +6.00D
	76	2.25	2.09	4.00	13.5	10.6	6	6	1.24	253.590	1.00-3.00	
	76	4.25	4.30	4.00	10.5	10.6	6	6	2.56	123.260	1.00-3.00	
	76	6.25	6.21	6.00	9.0	8.7	6	6	3.74	85.350	1.00-3.00	
	76	8.25	8.25	6.00	9.0	12.3	6	6	5.08	64.090	1.00-3.00	

HARD RESIN 1.50 — FLAT TOP 28 HIGH ADDITIONS GRAY, BROWN (HC)												
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SEG INSET	SEG DROP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
	78	4.25	4.24	6.25	14.4	11.5	6	5	2.53	84.800	3.25-4.00	-5.00D to +6.00D
	78	6.25	6.27	6.25	9.4	9.7	6	5	3.78	84.800	3.25-4.00	
	78	8.25	8.29	6.25	9.4	13.4	6	5	5.09	64.242	3.25-4.00	

PROLENS LABORATORIO ÓPTICO

YOUNGER OPTICS
The Optical Lens Innovators

TRANSITIONS® SIGNATURE®

HARD RESIN 1.50 — FLAT TOP 35 GRAY, BROWN (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SEG INSET	SEG DROP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
78	4.25	4.23	6.25	14.5	11.5	6	5	2.52	125.296	0.75-4.00	-5.00D to +6.00D
78	6.25	6.25	6.25	9.5	9.5	6	5	3.77	84.800	0.75-4.00	
78	8.25	8.28	6.25	9.5	13.0	6	5	5.08	64.010	0.75-4.00	

HARD RESIN 1.50 — FLAT TOP 7 X 28 TRIFOCAL GRAY, BROWN (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	INSET	DROP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
78	4.25	4.32	6.21	12.4	9.2	6.0	3.5	2.57	124.210	1.50-4.00	-5.00D to +6.00D
78	6.25	6.32	6.21	8.4	8.5	6.0	3.5	3.81	84.390	1.50-4.00	
78	8.25	8.34	6.21	8.4	12.0	6.0	3.5	5.12	64.780	1.50-4.00	

HARD RESIN 1.50 — FLAT TOP 8 X 35 TRIFOCAL GRAY (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SEG INSET	SEG DROP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
78	4.25	4.23	6.25	14.5	11.5	4	3	2.52	125.296	1.50-4.00	-5.00D to +6.00D
78	6.25	6.25	6.25	9.5	9.5	4	3	3.77	84.400	1.50-4.00	
78	8.25	8.28	6.25	9.5	13.0	4	3	5.08	64.010	1.50-4.00	

HARD RESIN 1.50 — IMAGE® PROGRESSIVE GRAY, BROWN (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	MRP DEC	SEG INSET	FITTING CROSS ABOVE MRP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
78	2.00	2.02	4.25	15.0	12.5	2.5	2.5	2	1.19	262.380	1.00-3.00	-8.00D to +6.00D
78	4.50	4.57	6.25	14.5	13.0	2.5	2.5	2	2.73	115.970	1.00-3.00	
78	6.50	6.33	6.25	9.5	10.0	2.5	2.5	2	3.82	83.730	1.00-3.00	
78	8.50	8.34	6.25	9.0	14.0	2.5	2.5	2	5.12	63.550	1.00-3.00	

POLYCARBONATE 1.586 — SINGLE VISION GRAY, BROWN, AMETHYST PURPLE, SAPPHIRE BLUE (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
75	0.50	0.54	4.25	13.20	8.80	0.32	981.481	-9.00D to +6.00D
75	1.25	1.26	4.25	13.40	9.90	0.74	420.635	
75	2.25	2.30	4.25	12.20	10.00	1.36	230.435	
75	3.25	3.26	4.25	12.40	11.60	1.93	162.577	
75	4.25	4.27	6.25	12.50	10.60	2.54	124.122	
75	5.25	5.26	6.25	12.50	12.10	3.15	100.760	
75	6.25	6.28	6.25	8.60	9.70	3.79	84.395	
75	7.25	7.27	9.50	11.40	8.50	4.42	72.902	
75	8.25	8.26	9.50	11.40	10.20	5.07	64.165	

PROLENS LABORATORIO ÓPTICO
YOUNGER OPTICS The Optical Lens Innovators

TRANSITIONS® SIGNATURE®

POLYCARBONATE COMPOSITE 1.586 — FLAT TOP 28 GRAY & BROWN (HC)												
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SEG DROP	SEG INSET	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
	75	2.25	2.17	4.25	13.4	11.1	5.0	6.0	1.28	244.240	1.00-3.50	-9.00D to +7.00D
	75	4.25	4.20	6.25	13.7	11.8	5.0	6.0	2.50	126.190	1.00-3.50	
	75	6.25	6.23	6.25	9.7	10.9	5.0	6.0	3.76	85.072	1.00-3.50	
	75	8.25	8.23	9.50	12.9	11.3	5.0	6.0	5.05	64.399	1.00-3.50	

POLYCARBONATE COMPOSITE 1.586 — FLAT TOP 35 GRAY & BROWN (HC)												
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SEG DROP	SEG INSET	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
	75	2.25	2.19	4.25	13.7	11.3	5.0	6.0	1.30	242.009	1.00-3.50	-9.00D to +7.00D
	75	4.25	4.21	6.25	14.0	11.8	5.0	6.0	2.51	125.891	1.00-3.50	
	75	6.25	6.25	6.25	10.3	11.0	5.0	6.0	3.76	85.072	1.00-3.50	
	75	8.25	8.25	9.75	14.0	11.5	5.0	6.0	5.07	64.242	1.00-3.50	

	POLYCARBONATE COMPOSITE 1.586 — FLAT TOP 7 X 28 TRIFOCAL GRAY & BROWN (HC)											
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SEG DROP	SEG INSET	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
	75	4.25	4.20	6.25	14.0	11.7	4.0	4.0	2.50	126.190	1.50-3.50	-7.00D to +7.00D
	75	6.25	6.22	6.25	10.6	10.8	4.0	4.0	3.75	85.209	1.50-3.50	
	75	8.25	8.27	9.75	13.8	11.6	4.0	4.0	5.08	64.087	1.50-3.50	

TRILOGY® 1.53 — FLAT TOP 28 TRILOGY GRAY & BROWN (HC)												
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SEG DROP	SEG INSET	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
	74	2.25	2.31	4.25	14.0	12.5	5.0	6.0	1.37	229.440	1.00-3.50	-9.00D to +7.00D
	74	4.25	4.33	6.25	14.5	12.0	5.0	6.0	2.58	122.400	1.00-3.50	
	74	6.25	6.34	6.25	8.0	8.0	5.0	6.0	3.82	83.590	1.00-3.50	
	74	8.25	8.36	6.25	8.5	11.5	5.0	6.0	5.14	63.390	1.00-3.50	

HI-INDEX 1.60 — SPHERICAL SINGLE VISION GRAY & BROWN (UC & HC)									
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
	73	0.50	0.58	6.38	15.1	7.4	0.34	913.793	-11.00D to +9.50D
	73	1.25	0.95	6.38	14.2	7.0	0.56	557.895	
	73	2.25	1.82	6.38	15.1	9.0	1.08	291.209	
	73	3.25	3.05	6.38	12.6	8.0	1.81	173.770	
	73	4.25	3.98	5.68	12.0	9.6	2.37	133.166	
	73	5.25	5.01	5.68	10.0	9.0	2.99	106.855	
	73	6.25	5.93	5.68	8.9	9.2	3.57	90.136	
	73	7.25	6.97	5.68	7.7	9.5	4.22	76.700	
	73	8.25	7.93	5.68	8.2	11.5	4.85	67.259	
	70	9.25	9.02	8.38	8.5	10.0	5.58	58.758	
	70	10.25	10.03	8.38	9.5	12.5	6.29	52.841	

PROLENS LABORATORIO ÓPTICO

YOUNGER OPTICS
The Optical Lens Innovators

TRANSITIONS® SIGNATURE®

POLYCARBONATE 1.586 — IMAGE® PROGRESSIVE GRAY & BROWN (HC)												
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	MRP DEC.	SEG INSET	FITTING CROSS ABOVE MRP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
	75	2.00	2.02	4.25	12.0	11.0	3.5	2.5	2	1.19	262.376	1.00-3.00	-9.00D to +7.00D
	75	4.50	4.30	6.25	12.0	11.5	3.5	2.5	2	2.56	122.685	1.00-3.00	
	75	6.50	6.28	6.25	10.5	11.5	3.5	2.5	2	3.79	84.261	1.00-3.00	
	75	8.50	8.27	9.50	10.5	10.0	3.5	2.5	2	5.08	64.010	1.00-3.00	

TRILOGY® 1.53 — SPHERICAL SINGLE VISION GRAY & BROWN (HC)									
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
	76	1.25	1.25	4.25	14.4	10.8	0.74	424.000	-8.00D to +7.50D
	76	2.25	2.26	4.25	14.6	12.3	1.34	234.513	
	76	3.25	3.26	4.25	14.3	13.4	1.93	162.577	
	76	4.25	4.23	4.25	14.5	14.8	2.52	125.296	
	76	5.25	5.35	6.25	7.7	6.8	3.21	99.065	
	76	6.25	6.27	6.25	7.4	8.1	3.77	84.530	
	76	7.25	7.34	6.25	7.5	9.8	4.46	72.207	
	76	8.25	8.28	6.25	7.3	11.3	5.09	64.010	

TRILOGY® 1.53 — ASPHERIC SINGLE VISION GRAY & BROWN (HC)									
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
	76	0.50	0.49	6.25	14.5	7.0	0.29	1081.633	-9.00D to +6.00D
	76	1.25	1.23	4.25	10.0	7.0	0.81	430.894	
	76	2.25	2.25	4.25	10.0	7.5	1.40	235.556	
	76	3.00	3.02	4.25	7.5	6.5	1.83	175.497	
	76	3.50	3.51	4.25	7.5	6.5	2.08	150.997	
	76	4.25	4.23	4.25	7.5	7.5	2.48	125.296	
	76	5.00	4.99	4.25	7.5	8.5	2.95	106.212	
	76	6.00	5.97	6.25	7.5	6.5	3.56	88.186	
	76	7.00	7.03	6.25	7.5	8.0	4.23	75.391	

TRILOGY® 1.53 — IMAGE® PROGRESSIVE GRAY (HC)													
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	MRP DEC	SEG INSET	FITTING CROSS ABOVE MRP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
	76	2.00	2.00	6.25	14.0	9.0	2.5	2.5	2	1.18	265.000	1.00-3.00	-8.00D to +8.00D
	76	4.50	4.61	6.25	14.0	13.0	2.5	2.5	2	2.75	114.970	1.00-3.00	
	76	6.50	6.33	6.25	8.0	9.0	2.5	2.5	2	3.82	83.730	1.00-3.00	
	76	8.50	8.30	6.25	8.0	12.0	2.5	2.5	2	5.10	63.860	1.00-3.00	

HI-INDEX 1.67 MR-10™ — SPHERICAL SINGLE VISION GRAY & BROWN (UC & HC)								
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
	74	1.00	1.07	6.11	16.0	9.0	0.63	495.327	-12.00D to +11.00D
	74	2.00	1.83	6.11	16.0	10.3	1.08	289.617	
	74	3.00	3.12	6.11	13.5	9.5	1.85	169.872	
	74	4.00	4.11	6.11	13.5	10.5	2.45	128.954	
	74	5.00	5.10	6.11	12.0	10.5	3.05	103.922	
	74	6.00	6.10	6.11	10.5	10.5	3.67	86.855	
	74	7.00	7.59	6.11	8.5	10.7	4.63	69.829	
	70	9.00	9.04	6.93	8.4	11.5	5.60	58.628	
	65	12.00	11.96	8.09	5.0	10.5	7.73	44.314	

PROLENS LABORATORIO ÓPTICO

YOUNGER OPTICS
The Optical Lens Innovators

TRANSITIONS® SIGNATURE®

HI-INDEX 1.67 MR-10™ — IMAGE® PROGRESSIVE GRAY (HC)													
	DIAMETER	**NOMINAL CURVE**	**TRUE CURVE**	**BACK CURVE**	**EDGE**	**CENTER**	**MRP DEC**	**SEG INSET**	**FITTING CROSS ABOVE MRP**	**SAG AT 50**	**RADIUS**	**ADD RANGE**	**RX RANGE**
	74	1.50	1.79	6.00	15.7	10.3	2.5	2.5	2	1.06	296.089	1.00-3.50	-10.00D to +8.50D
	74	3.00	3.02	6.00	13.4	9.5	2.5	2.5	2	1.79	175.497	1.00-3.50	
	74	5.00	5.04	6.00	13.4	12.3	2.5	2.5	2	3.02	105.159	1.00-3.50	
	74	7.00	7.56	6.00	9.7	12.8	2.5	2.5	2	4.61	70.016	1.00-3.50	

HI-INDEX 1.74 MR-174™ — SPHERICAL SINGLE VISION GRAY & BROWN (HC)									
	DIAMETER	**NOMINAL CURVE**	**TRUE CURVE**	**BACK CURVE**	**EDGE**	**CENTER**	**SAG AT 50**	**RADIUS**	**RX RANGE**
	65	0.50	0.27	9.40	18.5	8.5	0.16	1962.963	-18.00D to +12.00D
	65	1.00	1.04	9.40	16.8	7.5	0.61	509.615	
	70	1.50	1.57	8.20	15.5	7.0	0.93	337.580	
	75	2.50	2.47	6.90	12.5	6.1	1.46	214.575	
	75	3.50	3.54	4.80	8.0	6.3	2.10	149.718	
	70	5.00	4.78	5.60	7.0	6.0	2.86	110.879	
	70	6.00	6.12	6.20	7.1	7.0	3.68	86.601	
	70	7.00	7.31	6.90	6.9	7.5	4.45	75.503	
	65	8.00	8.32	6.70	6.6	8.6	5.11	63.702	
	65	9.00	8.95	6.70	6.6	9.5	5.53	59.218	
	65	10.00	9.70	6.20	6.5	10.7	6.06	54.639	

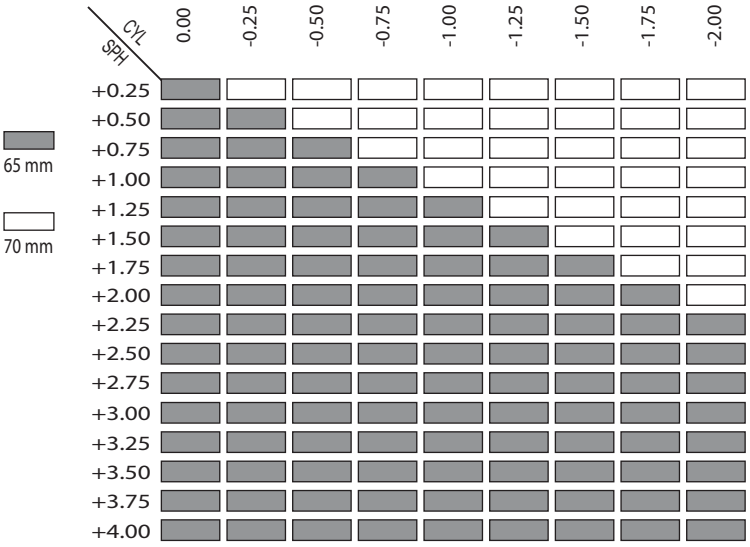
PROLENS
LABORATORIO ÓPTICO

YOUNGER OPTICS
The Optical Lens Innovators

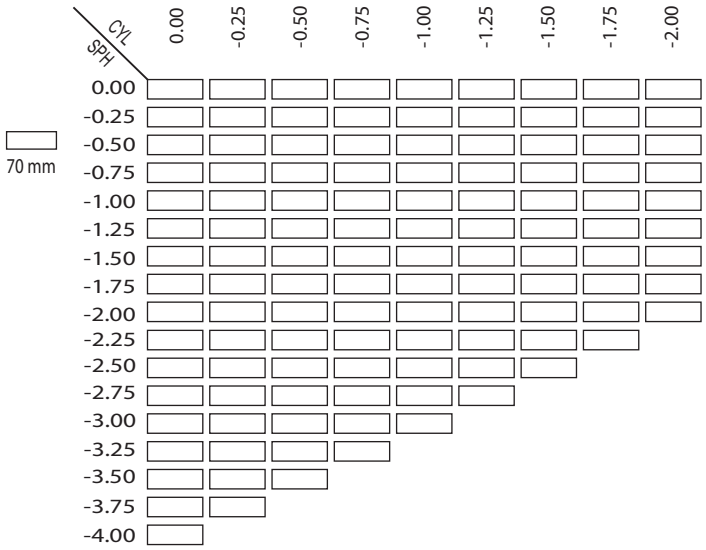
TRANSITIONS® SIGNATURE®

HARD RESIN 1.50
FINISHED SINGLE VISION SPHERICAL GRAY & BROWN WITH SUPER HYDROPHOBIC AR COATING

SPH (+) on CYL (-)

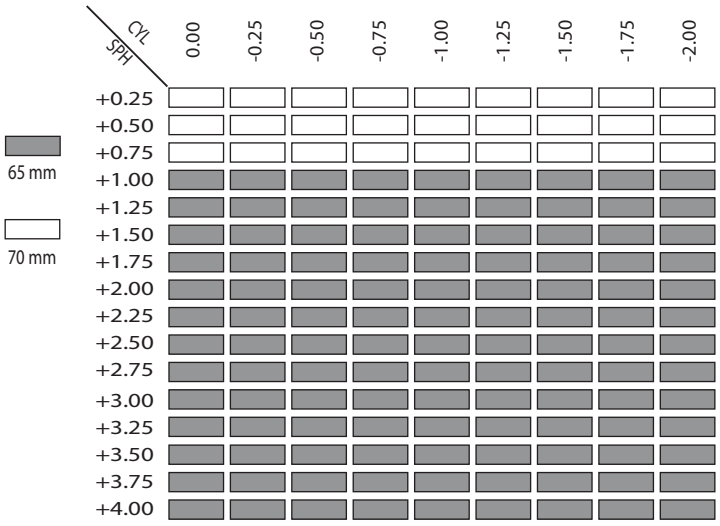


SPH (-) on CYL (-)

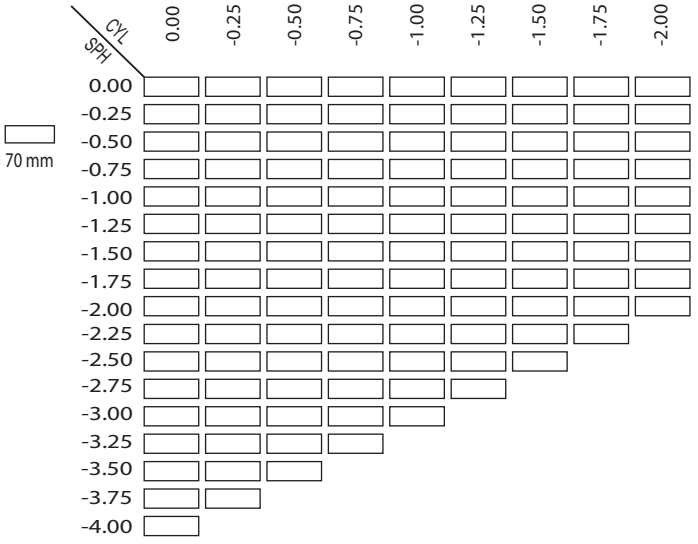


HARD RESIN 1.50 (HC)
FINISHED SINGLE VISION SPHERICAL GRAY & BROWN

SPH (+) on CYL (—)



SPH (-) on CYL (-)



PROLENS LABORATORIO ÓPTICO

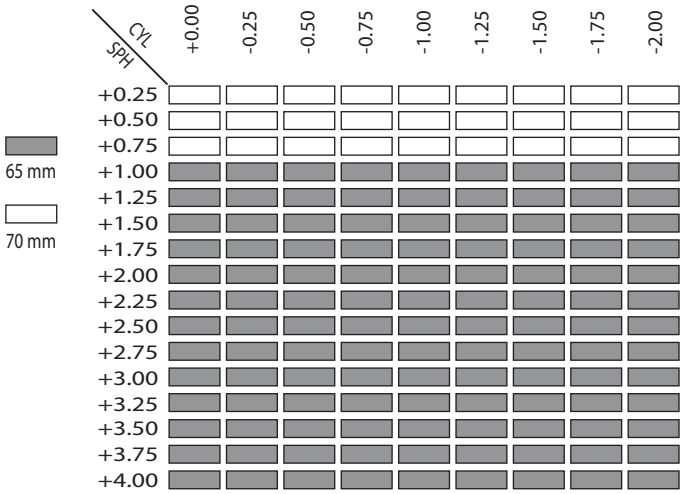
YOUNGER OPTICS
The Optical Lens Innovators

TRANSITIONS® SIGNATURE®

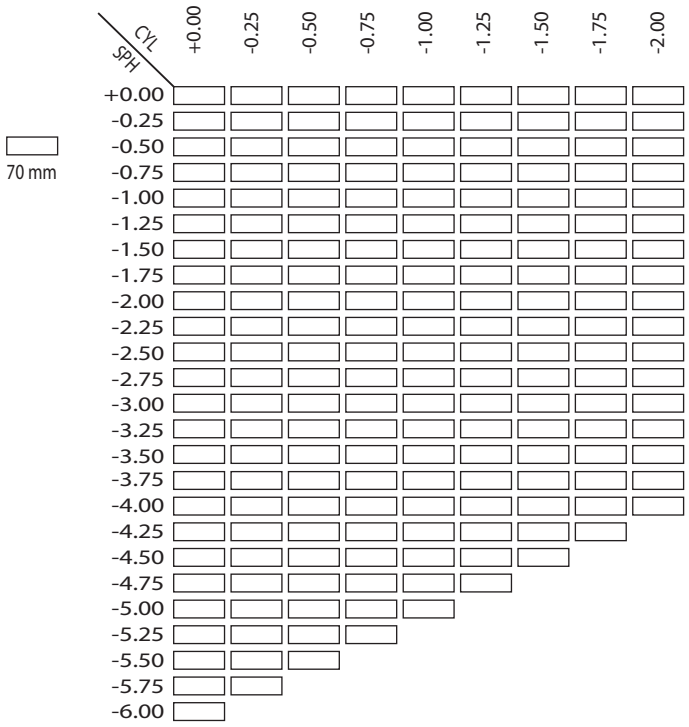
POLYCARBONATE 1.586

FINISHED SINGLE VISION SPHERICAL GRAY & BROWN WITH SUPER HYDROPHOBIC AR COATING

SPH (+) on CYL (—)



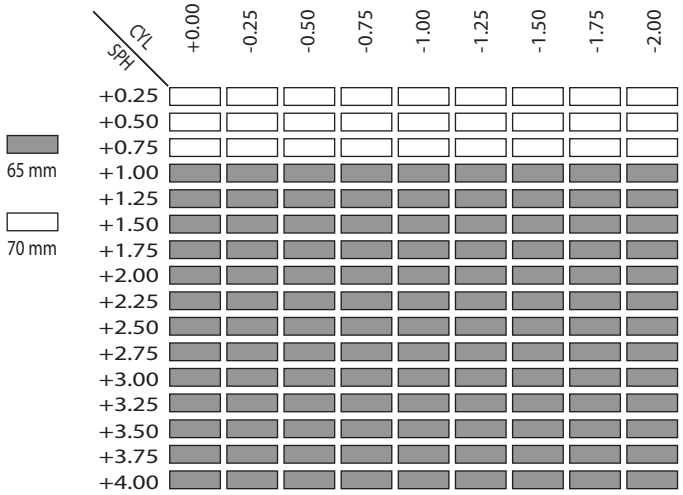
SPH (—) on CYL (—)



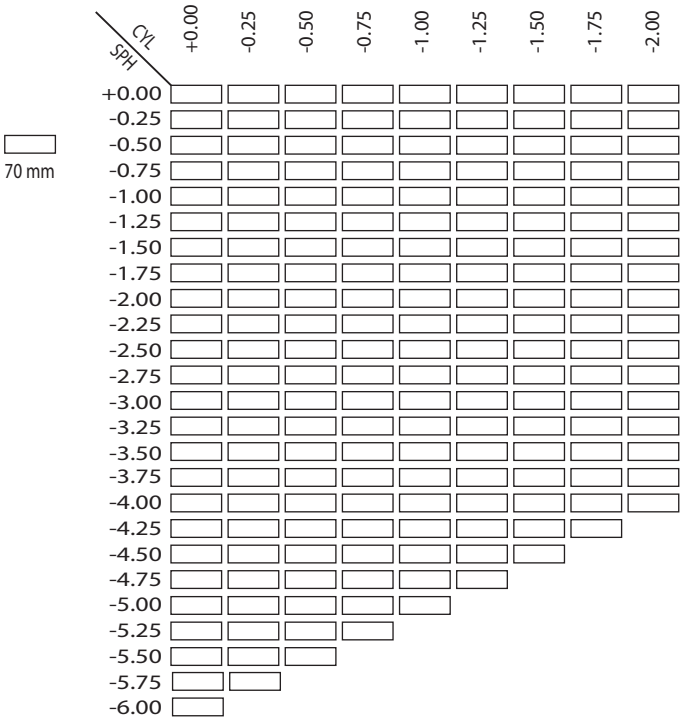
POLYCARBONATE 1.586 (HC)

FINISHED SINGLE VISION SPHERICAL GRAY & BROWN

SPH (+) on CYL (—)



SPH (—) on CYL (—)



PROLENS LABORATORIO ÓPTICO

YOUNGER OPTICS
The Optical Lens Innovators

TRANSITIONS® XTRACTIVE®

HARD RESIN 1.50 — FLAT TOP 28 GRAY & BROWN (HC)												
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SEG INSET	SEG DROP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
	76	0.50	0.44	4.00	16.0	10.6	6	6	0.26	1204.550	1.00-3.00	-11.00D to +6.00D
	76	2.25	2.09	4.00	13.5	10.6	6	6	1.24	253.590	1.00-3.00	
	76	4.25	4.30	4.00	10.5	10.6	6	6	2.56	123.260	1.00-3.00	
	76	6.25	6.21	6.00	9.0	8.7	6	6	3.74	85.350	1.00-3.00	
	76	8.25	8.27	6.00	9.0	12.3	6	6	5.08	64.090	1.00-3.00	

HARD RESIN 1.50 — FLAT TOP 7 X 28 TRIFOCAL GRAY (HC)												
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SEG INSET	SEG DROP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
	78	4.25	4.26	6.25	14.5	11.5	4	4	2.54	124.413	1.50-4.00	-5.00D to +6.00D
	78	6.25	6.28	6.25	9.5	9.5	4	4	3.79	84.395	1.50-4.00	
	78	8.25	8.31	6.25	9.5	13.0	4	4	5.10	63.779	1.50-4.00	

HARD RESIN 1.50 — IMAGE® PROGRESSIVE GRAY (HC)												
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	MRP DEC	SEG INSET	FITTING CROSS ABOVE MRP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
	78	2.00	2.02	4.25	15.0	12.5	2.5	2.5	2	1.19	265.000	1.00-3.00	-8.00D to +6.00D
	78	4.50	4.57	6.25	14.5	13.0	2.5	2.5	2	2.73	115.974	1.00-3.00	
	78	6.50	6.33	6.25	9.5	10.0	2.5	2.5	2	3.82	83.728	1.00-3.00	
	78	8.50	8.34	6.25	9.0	14.0	2.5	2.5	2	5.12	63.625	1.00-3.00	

POLYCARBONATE COMPOSITE 1.586 — FLAT TOP 28 GRAY (HC)												
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SEG DROP	SEG INSET	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
	75	2.25	2.17	4.25	13.4	11.1	5.0	6.0	1.28	244.240	1.00-3.50	-9.00D to +7.00D
	75	4.25	4.20	6.25	13.7	11.8	5.0	6.0	2.50	126.190	1.00-3.50	
	75	6.25	6.23	6.25	9.7	10.9	5.0	6.0	3.76	85.072	1.00-3.50	
	75	8.25	8.23	9.50	12.9	11.3	5.0	6.0	5.05	64.399	1.00-3.50	

TRILOGY 1.53 — IMAGE® PROGRESSIVE GRAY (HC)												
	DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	MRP DEC.	SEG INSET	FITTING CROSS ABOVE MRP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
	76	2.00	2.09	6.25	14.0	9.0	2.5	2.5	2	1.24	253.589	1.00-3.00	-8.00D to +8.00D
	76	4.50	4.61	6.25	14.0	13.0	2.5	2.5	2	2.75	114.967	1.00-3.00	
	76	6.50	6.33	6.25	8.0	9.0	2.5	2.5	2	3.82	83.728	1.00-3.00	
	76	8.50	8.30	6.25	8.0	12.0	2.5	2.5	2	5.10	63.855	1.00-3.00	

PROLENS LABORATORIO ÓPTICO

YOUNGER OPTICS
The Optical Lens Innovators

TRANSITIONS® XTRACTIVE® POLARIZED

HARD RESIN 1.50 — SINGLE VISION GRAY (HC)								
DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
72	0.50	0.42	4.22	15.4	10.5	0.25	1261.900	-11.00D TO +6.75D
76	2.00	1.96	2.03	16.0	15.9	1.16	270.100	
76	3.50	3.48	2.03	15.9	18.0	2.06	152.450	
76	4.25	4.25	4.22	14.0	14.0	2.53	124.706	
76	5.25	5.19	4.22	9.6	11.1	3.11	102.039	
76	6.25	6.19	6.33	12.9	12.8	3.73	85.680	
76	7.25	7.22	6.33	11.2	12.8	4.39	73.450	
72	8.75	8.73	6.33	8.6	12.0	5.39	60.690	

POLYCARBONATE 1.586 — SINGLE VISION GRAY (HC)								
DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
75	0.50	0.54	4.25	13.20	8.80	0.32	981.481	-9.00D TO +6.00D
75	1.25	1.26	4.25	13.40	9.90	0.74	420.635	
75	2.25	2.30	4.25	12.20	10.00	1.36	230.435	
75	3.25	3.26	4.25	12.40	11.60	1.93	162.577	
75	4.25	4.27	6.25	12.50	10.60	2.54	124.122	
75	5.25	5.26	6.25	12.50	12.10	3.15	100.760	
75	6.25	6.28	6.25	8.60	9.70	3.79	84.395	
75	7.25	7.27	9.50	11.40	8.50	4.42	72.902	
75	8.25	8.26	9.50	11.40	10.20	5.07	64.165	

TRILOGY 1.53 — SINGLE VISION GRAY (HC)								
DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
76	1.25	1.25	4.25	14.4	10.8	0.74	424.000	-8.00D TO +7.50D
76	2.25	2.26	4.25	14.6	12.3	1.34	234.513	
76	3.25	3.26	4.25	14.3	13.4	1.93	162.577	
76	4.25	4.23	4.25	14.5	14.8	2.52	125.296	
76	5.25	5.35	6.25	7.7	6.8	3.21	99.065	
76	6.25	6.27	6.25	7.4	8.1	3.77	84.530	
76	7.25	7.34	6.25	7.5	9.8	4.46	72.207	
76	8.25	8.28	6.25	7.3	11.3	5.09	64.010	

HIGH-INDEX 1.67 MR-10™ — SINGLE VISION GRAY (HC)								
DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
74	1.00	1.07	6.11	16.0	9.0	0.63	495.327	-12.00D TO +8.00D
74	2.00	1.83	6.11	16.0	10.3	1.08	289.619	
74	3.00	3.12	6.11	13.5	9.5	1.85	169.872	
74	4.00	4.11	6.11	13.5	10.5	2.45	128.954	
74	5.00	5.10	6.11	12.0	10.5	3.05	103.922	
74	6.00	6.10	6.11	10.5	10.65	3.67	86.885	
74	7.00	7.59	6.11	8.5	10.7	4.63	69.829	
70	9.00	FUTURE RELEASE						

PROLENS LABORATORIO ÓPTICO

YOUNGER OPTICS
The Optical Lens Innovators

TRANSITIONS® XTRACTIVE® NEW GENERATION

HARD RESIN 1.50 — SINGLE VISION GRAY & BROWN (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
72	0.50	0.44	4.00	13.5	9.0	0.26	1217.070	-9.00D to +6.00D
72	2.25	2.09	4.00	11.4	9.0	1.24	253.300	
72	4.25	4.29	4.00	8.1	8.5	2.56	123.510	
72	5.25	5.25	6.00	9.5	8.5	3.14	101.010	
72	6.25	6.20	6.00	8.2	8.5	3.74	85.450	
72	8.25	8.26	6.00	6.0	9.4	5.07	64.140	

POLYCARBONATE 1.586 — *NEW GEN* SINGLE VISION SPHERICAL GRAY & BROWN (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
75	0.50	0.54	4.25	13.20	8.80	0.32	981.481	-9.00D to +6.00D
75	1.25	1.26	4.25	13.40	9.90	0.74	420.635	
75	2.25	2.30	4.25	12.20	10.00	1.36	230.435	
75	3.25	3.26	4.25	12.40	11.60	1.93	162.577	
75	4.25	4.27	6.25	12.50	10.60	2.54	124.122	
75	5.25	5.26	6.25	12.50	12.10	3.15	100.760	
75	6.25	6.25	6.25	8.60	9.70	3.79	84.395	
75	7.25	7.27	9.50	11.40	8.50	4.42	72.902	
75	8.25	8.26	9.50	11.40	10.20	5.07	64.165	

POLYCARBONATE 1.586 — IMAGE® PROGRESSIVE GRAY & BROWN (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	MRP DEC.	SEG INSET	FITTING CROSS ABOVE MRP	SAG AT 50	RADIUS	ADD RANGE	RX RANGE
75	2.00	2.02	4.25	12.0	10.5	3.5	2.5	2	1.19	262.380	1.00-3.00	-9.00D to +7.00D
75	4.50	4.30	6.25	12.0	11.5	3.5	2.5	2	2.56	123.256	1.00-3.00	
75	6.50	6.28	6.25	10.5	11.5	3.5	2.5	2	3.79	84.395	1.00-3.00	
75	8.50	8.27	9.50	10.5	10.0	3.5	2.5	2	5.08	64.090	1.00-3.00	

TRILOGY 1.53 — SINGLE VISION SPHERICAL GRAY & BROWN (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
76	1.25	1.25	4.25	14.4	10.8	0.74	407.692	-8.00D TO +7.50D
76	2.25	2.26	4.25	14.6	12.3	1.34	230.435	
76	3.25	3.26	4.25	14.3	13.4	1.93	160.121	
76	4.25	4.23	4.25	14.5	14.8	2.52	124.413	
76	5.25	5.35	6.25	7.7	6.8	3.21	99.065	
76	6.25	6.27	6.25	7.4	8.1	3.77	84.530	
76	7.25	7.34	6.25	7.5	9.8	4.46	72.207	
76	8.25	8.28	6.25	7.3	11.3	5.09	64.010	

HIGH-INDEX 1.67 MR-10™ — SINGLE VISION SPHERICAL GRAY & BROWN (HC)

DIAMETER	NOMINAL CURVE	TRUE CURVE	BACK CURVE	EDGE	CENTER	SAG AT 50	RADIUS	RX RANGE
74	1.00	1.07	6.11	16.0	9.0	0.63	495.327	-12.00D to +11.00D
74	2.00	1.83	6.11	16.0	10.3	1.08	289.617	
74	3.00	3.12	6.11	13.5	9.5	1.85	169.872	
74	4.00	4.11	6.11	13.5	10.5	2.45	128.954	
74	5.00	5.10	6.11	12.0	10.5	3.05	103.922	
74	6.00	6.10	6.11	10.5	10.5	3.67	86.885	
74	7.00	7.59	6.11	8.5	10.7	4.63	69.829	
70	9.00	9.04	6.93	8.4	11.5	5.60	58.628	
65	12.00	11.96	8.09	5.0	10.5	7.73	44.314	

PROLENS LABORATORIO ÓPTICO

YOUNGER OPTICS
The Optical Lens Innovators

TRANSITIONS® XTRACTIVE® NEW GENERATION

HIGH-INDEX 1.74 MR-174™ — SPHERICAL SINGLE VISION GRAY & BROWN (HC)									
	DIAMETER	**NOMINAL CURVE**	**TRUE CURVE**	**BACK CURVE**	**EDGE**	**CENTER**	**SAG AT 50**	**RADIUS**	**RX RANGE**
	65	0.50	0.27	9.4	18.5	8.5	0.16	1942.100	-18.00D to +12.00D
	65	1.00	1.04	9.4	16.8	7.5	0.61	511.810	
	70	1.50	1.57	8.2	15.5	7.0	0.93	338.070	
	75	2.50	2.47	6.9	12.5	6.1	1.46	214.870	
	75	3.50	3.54	4.8	8.0	6.3	2.10	149.800	
	70	5.00	4.78	5.6	7.0	6.0	2.86	110.830	
	70	6.00	6.12	6.2	7.1	7.0	3.68	86.600	
	70	7.00	7.31	6.9	6.9	7.5	4.45	72.470	
	65	8.00	8.32	6.7	6.6	8.6	5.11	63.700	
	65	9.00	8.95	6.7	6.6	9.5	5.53	59.240	
	65	10.00	9.70	6.2	6.5	10.7	6.06	54.630	

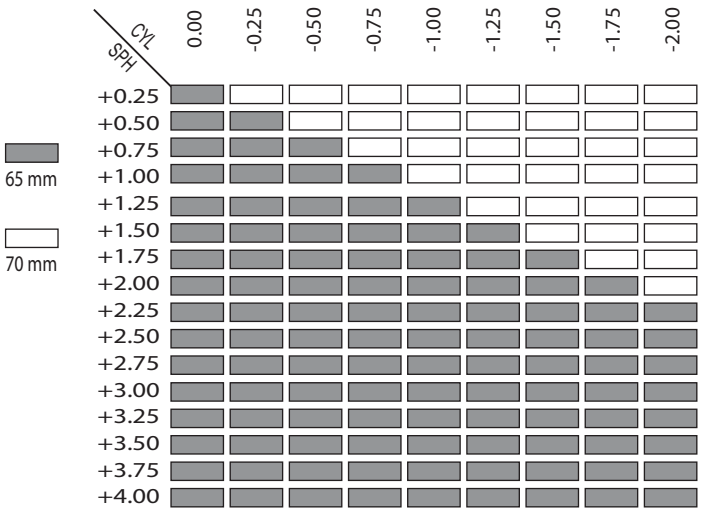
PROLENS LABORATORIO ÓPTICO

YOUNGER OPTICS
The Optical Lens Innovators

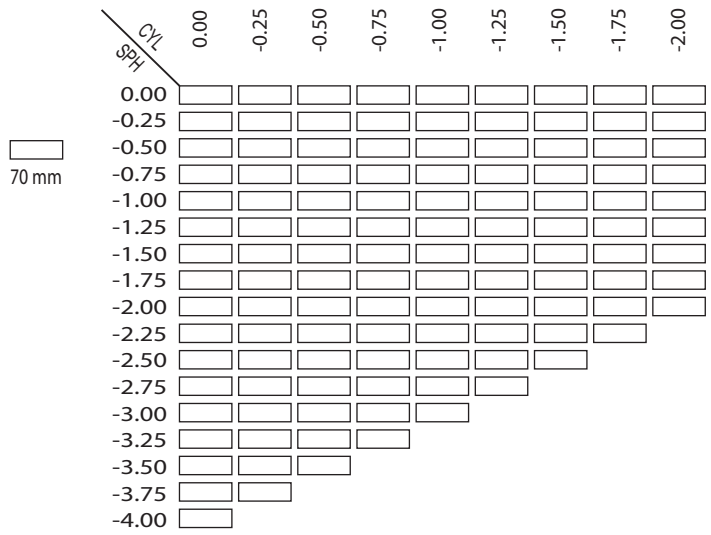
TRANSITIONS® XTRACTIVE® NEW GENERATION

HARD RESIN 1.50 (HC) NEW GEN
FINISHED SINGLE VISION SPHERICAL GRAY & BROWN

SPH (+) on CYL (-)

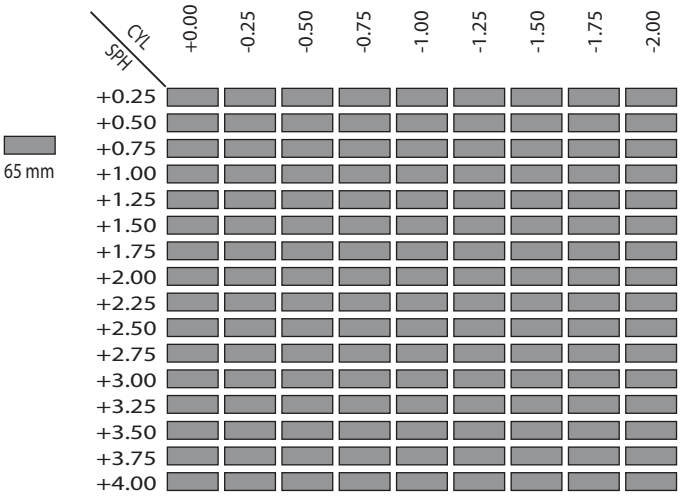


SPH (-) on CYL (-)

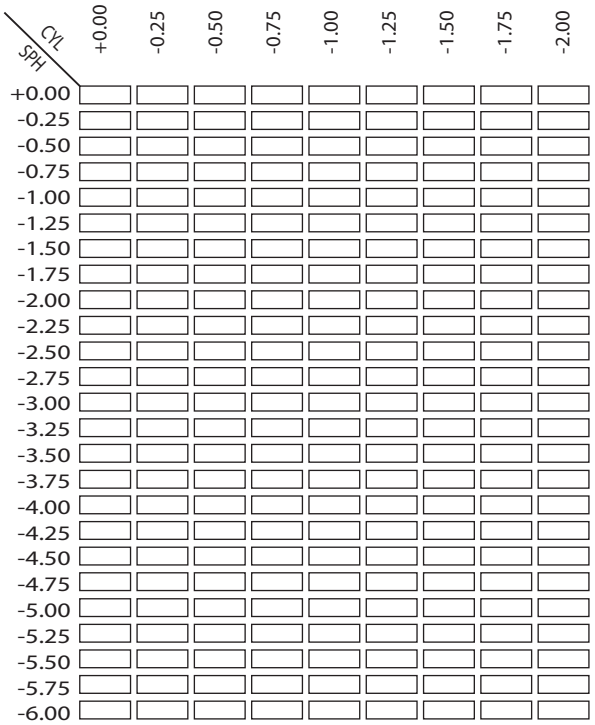


POLYCARBONATE 1.586 (HC) NEW GEN
FINISHED SINGLE VISION SPHERICAL GRAY & BROWN

SPH (+) on CYL (—)



SPH (—) on CYL (—)



PROLENS LABORATORIO ÓPTICO

YOUNGER OPTICS
The Optical Lens Innovators

PROLENS

LABORATORIO ÓPTICO

+52 (646) 185 4077
+52 (646) 977 1677

Prolens.ens@gmail.com
Fernandobeltran@opticadeensenada.com.mx

Av. Juárez #1279, Zona Centro, Ensenada, B.C.

Prolens_laboratorioOptico